

ATTACHMENT A**GLENN | PATENT | GROUP****FACSIMILE TRANSMITTAL SHEET**

TO: EXAMINER DAVID RASHID

FROM: SHERI ROBINSON

650/474-8400 650/474-8401 (Fax)

COMPANY: USPTO

DATE: ~~4/24/08~~ Present on 4/29/08FAX NUMBER: ~~571-270-1578~~

TOTAL NO. OF PAGES INCLUDING COVER: 15 pages

571-270-2578

PHONE NUMBER: 571-270-1578

SENDER'S REFERENCE NUMBER: EBR0003

RE: RCE and Preliminary Amendment filed on 4/4/2008

YOUR REFERENCE NUMBER: 10/724,521

☐ URGENT ☒ FOR REVIEW ☐ PLEASE COMMENT ☒ PLEASE REPLY ☐ PLEASE RECYCLE

Examiner Rashid -

Pursuant to our earlier conversation, due to a scheduling conflict with the inventor, I would like to propose a NEW date and time for an Examiner Interview with you:

Wednesday, April 30, 2008 at 12:00 PM - 12:30 PM (EDT).

Attached is our updated Examiner's Interview Request Form for your review.

Please confirm your availability via phone or email (see below.)

Thank you!

Sheri Robinson, Executive Assistant for Michael Glenn
Phone: (408) 474-8400; Email: sheri@glenn-law.com

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PTO/SB/97 (04-07)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

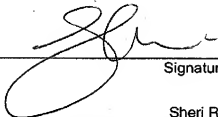
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on April 24, 2008

Date



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Sheri Robinson

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PTOL-413A (07-07)
Approved for use through: 08/30/2007, CMB 0661-0031
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Applicant Initiated Interview Request Form

Application No.: 10/724,521 First Named Applicant: Christopher Warnock
Examiner: David Rashid Art Unit: 2624 Status of Application: _____

Tentative Participants:

(1) Michael A. Glenn (Applicant's Attorney) (2) Juliette Hirt
(3) Christopher Warnock (4) Christopher Radcliff

Proposed Date of Interview: Wed, April 30, 2008

Proposed Time: 12:00-12:30 (EDT) (AM/PM)

Type of Interview Requested:

(1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video Conference

Exhibit To Be Shown or Demonstrated: ☐ YES ☒ NO

If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) _____	Claims 1, 17	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Continuation Sheet Attached					

Brief Description of Arguments to be Presented:

RCE and Preliminary Amendment filed 4-4-2008.

An interview was conducted on the above-identified application on _____.

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

Applicant/Applicant's Representative Signature

Examiner/SPE Signature

Typed/Printed Name of Applicant or Representative

Registration Number, if applicable

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which it is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Electronic Acknowledgement Receipt

EFS ID:	3108005
Application Number:	10724521
International Application Number:	
Confirmation Number:	8904
Title of Invention:	Method and apparatus for improved information transactions
First Named Inventor/Applicant Name:	Christopher M. Warnock
Customer Number:	22862
Filer:	Michael Glenn/Barbara M. Weatherly
Filer Authorized By:	Michael Glenn
Attorney Docket Number:	EBRY003
Receipt Date:	04-APR-2008
Filing Date:	28-NOV-2003
Time Stamp:	17:15:03
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$405
RAM confirmation Number	2399
Deposit Account	071445
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:
 Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

ELECTRONIC TRANSMITTAL COVER SHEET

Application Serial No.: 10/724,521

Attorney Docket No.: EBRV0003

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From: GLENN PATENT GROUP

Customer No.: 22,862

Tel: (650) 474-8400

Fax: (650) 474-8401

on April 4, 2008

Date


Signature

Barbara M. Weatherly

Typed or printed name of person signing Certificate

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Attached to this cover sheet please find the following documents:

- Electronic Transmittal Cover Sheet (1 page);
- Request for Continued Examination (RCE); and
- Preliminary Amendment (9 pages).

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PTO/SB/30 (11-07)

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Request for Continued Examination (RCE) Transmittal

Address to:
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	10/724,621
Filing Date	November 28, 2006
First Named Inventor	Christopher M. WARNOCK
Art Unit	2624
Examiner Name	David Rashid
Attorney Docket Number	EBRY0003

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

- a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.
- i. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____.
- ii. ☐ Other _____
- b. ☒ Enclosed
- i. ☐ Amendment/Reply
- ii. ☐ Affidavit(s)/ Declaration(s)
- iii. ☐ Information Disclosure Statement (IDS)
- iv. ☒ Other Preliminary Amendment

2. Miscellaneous


- a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(f) required)
- b. ☐ Other _____

3. Fees

- The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
- The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments, to Deposit Account No. 07-1445. I have enclosed a duplicate copy of this sheet.
- a. ☒ RCE fee required under 37 CFR 1.17(e) (Small Entity Fee of \$405)
- ii. ☐ Extension of time fee (37 CFR 1.136 and 1.17)
- iii. ☐ Other _____
- b. ☐ Check in the amount of \$ _____ enclosed
- c. ☐ Payment by credit card (Form PTO-2038 enclosed)

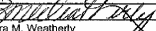
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature		Date	April 4, 2008
Name (Print/Type)	Michael A. Glenn	Registration No.	30,176

CERTIFICATE OF MAILING OR TRANSMISSION

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Signature		Date	April 4, 2008
Name (Print/Type)	Barbara M. Weatherly		

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Attorney Docket No. EBRY0003

U.S. Serial No. 10/724,521

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Christopher M. WARNOCK
Serial Number: 10/724,521
Filed: November 28, 2006
Examiner: David Rashid
Group Art Unit: 2624
Confirmation No.: 8904
Title: METHOD AND APPARATUS FOR IMPROVED
INFORMATION TRANSACTIONS
Docket No.: EBRY0003

April 4, 2008

MAIL STOP: RCE
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

**PRELIMINARY AMENDMENT
PURSUANT TO 35 U.S.C. 1.173(b)**

Dear Sir/Madam:

Applicant submits herewith a Preliminary Amendment in response to the Advisory Action dated March 17, 2008. A **Listing of Claims** begins on Page 2. **Remarks** begin on page 8.

The Commissioner is hereby authorized to charge any additional fees due or credit any overpayment to Deposit Account No. 07-1445 (EBRY0003).

Attorney Docket No. EBK-Y0003

U.S. Serial No. 10/724,521

LISTING OF CLAIMS

1. (Currently Amended) A method of analyzing an image including text to allow display of said image and selection of text included within said image, the method comprising:

mapping an image to determine user defined regions of said image that contain text by extracting quads from said image and assigning said quads to said regions;

wherein each said quad comprises a bounding rectangle that defines the location of pixels in said image that correspond to an individual word in said image;

presenting said image to a user;

said user selecting said regions within said image that contain text; and

analyzing portions of the image which correspond to said regions which contain user selected text to develop a desired ordering of said individual words in the selected regions in accordance with a textual relationship between each of the individual words in each of said selected regions and a textual relationship between each of the selected regions.

2. (Previously Presented) The method of claim 1 wherein the image includes a complex textual format having one or more articles of text, such as found in a newspaper or magazine page, and the desired ordering is related to the order in which the selected regions are to be presented in a different format appropriate for a specific use.

3. (Previously Presented) The method of claims 1 or 2 wherein the desired ordering of the regions includes a preferred order of words in said selected regions.

Attorney Docket No. EBRY0003

U.S. Serial No. 10/724,521

4. (Previously Presented) The method of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use by a human reader.
5. (Previously Presented) The method of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use in transferring the text over a network.
6. (Previously Presented) The method of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use in a database.
7. (Previously Presented) The method of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use by a search function.
8. (Previously Presented) The method of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use by a word processor.
9. (Previously Presented) The method of claims 1 or 2 wherein the desired ordering of the regions is appropriate for use by a printer.
10. (Previously Presented) The method of claims 1 or 2 wherein the analyzing further comprises:
developing a frameset of frame and sub-frame areas of the image each including related regions of text.
11. (Previously Presented) The method of claims 1 or 2 wherein the analyzing further comprises:
identifying groups of regions of text related to textual articles and sub-articles.

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12. (Previously Presented) The method of claims 1 or 2 wherein the analyzing further comprises:
ordering regions within a textual article.
13. (Previously Presented) The method of claims 1 or 2 wherein the analyzing further comprises:
identifying groups of regions of text related to textual articles; and
ordering regions within textual articles.
14. (Previously Presented) The method of claims 1 or 2 wherein the analyzing further comprises:
normalizing the textual image.
15. (Previously Presented) The method of claims 1 or 2 wherein the analyzing further comprises:
columnizing the textual image.
16. (Previously Presented) The method of claims 1 or 2 wherein the analyzing further comprises:
regionalizing the textual image.
17. (Currently Amended) A system for analyzing an image including text to allow display of said image and selection of said text included within said image, comprising:
means for mapping an image to determine user defined regions of said image that contain text by extracting quads from said image and assigning said quads to said regions;
wherein said said quad comprises a bounding rectangle that defines the location of pixels in said image that correspond to an individual word in said image;

Attorney Docket No. EBY0003

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a display for presenting said image to a user;

means for said user selecting said regions within said image that contain text; and

means for analyzing portions of the image which correspond to said regions which contain user selected text to develop ordering of said individual words in the selected regions in accordance with characteristics of selected regions of the text to develop a desired ordering of the a textual relationship between each of said individual words in each of said selected regions and a textual relationship between each of the selected regions.

18. (Previously Presented) The system of claim 17 wherein the image includes a complex textual format having one or more articles of text, such as found in a newspaper or magazine page, and the desired ordering is related to the order in which the selected regions are to be presented in a different format appropriate for a specific use.

19. (Previously Presented) The system of claims 18 or 19 wherein the desired ordering of the regions includes a preferred order of words in said selected regions.

20. (Previously Presented) The system of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use by a human reader.

21. (Previously Presented) The system of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use in transferring the text over a network.

22. (Previously Presented) The system of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use in a database.

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U.S. Serial No. 10/724,521

23. (Previously Presented) The system of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use by a search function.

24. (Previously Presented) The system of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use by a word processor.

25. (Previously Presented) The system of claims 18 or 19 wherein the desired ordering of the regions is appropriate for use by a printer.

26. (Previously Presented) The system of claims 18 or 19 wherein the means for analyzing further comprises:

means for developing a frameset of frame and sub-frame areas of the image each including related regions of text.

27. (Previously Presented) The system of claims 18 or 19 wherein the means for analyzing further comprises:

means for identifying groups of regions of text related to textual articles and sub-articles.

28. (Previously Presented) The system of claims 18 or 19 wherein the means for analyzing further comprises:

means for ordering regions within a textual article.

29. (Previously Presented) The system of claims 18 or 19 wherein the means for analyzing further comprises:

means for identifying groups of regions of text related to textual articles;
and

means for ordering regions within textual articles.

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30. (Previously Presented) The system of claims 18 or 19 wherein the means for analyzing further comprises:

means for normalizing the textual image.

31. (Previously Presented) The system of claims 18 or 19 wherein the means for analyzing further comprises:

means for columnizing the textual image.

32. (Previously Presented) The system of claims 18 or 19 wherein the means for analyzing further comprises:

means for regionalizing the textual image.

Attorney Docket No. EBY0003

U.S. Serial No. 10/724,521

REMARKS

Applicant thanks the Examiner for accepting various amendments made in Applicant's last entered submission and for withdrawing various objections raised. The remaining outstanding rejections concern a holding of anticipation under 35 USC102(b), and finding of obviousness under 35 USC 103.

First, Applicant notes that Claim 1 is now amended and is consistent with presently amended Claim 17. Accordingly, all of Applicant's remarks herein shall apply to both Claims 1 and 17. In particular, Applicant notes a new ground of rejection under 35 USC 102(b) in view of Wang et al. Applicant notes that Wang teaches an OCR system. Applicant has carefully reviewed the entire Wang reference and has paid particular attention to those portions of the reference cited by the Examiner.

Wang does not teach the notion of extracting quads in the sense that Applicant claims quads. The examples in Wang referred to by the Examiner do not teach individual words. The Examiner indicates that Wang may include individual words, but Wang does not specifically teach an individual word. In particular, with regard to Figure 13 of Wang, the only notion of text is that Wang seeks to separate text from non-text. Wang does not consider the notion of a quad down to a single word level. In sharp contrast, Applicant's invention creates a quad for each and every single word. Applicant clearly states this in Applicant's claim, where Applicant teaches that "each said quad comprises a bounding rectangle that defines a location of pixels in said image that correspond to an individual word". No such teaching is found in Wang.

Further, the Examiner maintains that Wang teaches a selection of regions of text based upon a user ordering. No such teaching is found in Wang. Wang teaches an automatic system that identifies text and non-text information during

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an OCR operation. There is no notion in Wang that a user may select portions of an image and receive back a display of that portion selected by the user.

Further, Wang does not teach the notion that user defined regions may be analyzed to develop a desired order of individual words in the regions "in accordance with a textual relationship between each of said individual words and in each of said selected regions and a textual relationship between each of the selected regions."

In view of the foregoing, Wang is not considered to be proper reference to recite against Applicant's claims and withdrawal of the rejection on that basis as indicated.

Should the Examiner deem it helpful, he is encouraged to contact Applicant's attorney, Michael A. Glenn, at (650) 474-8400.

Respectfully submitted,



Michael A. Glenn
Registration No. 30,176

Customer No. 22862